

Fig.1A

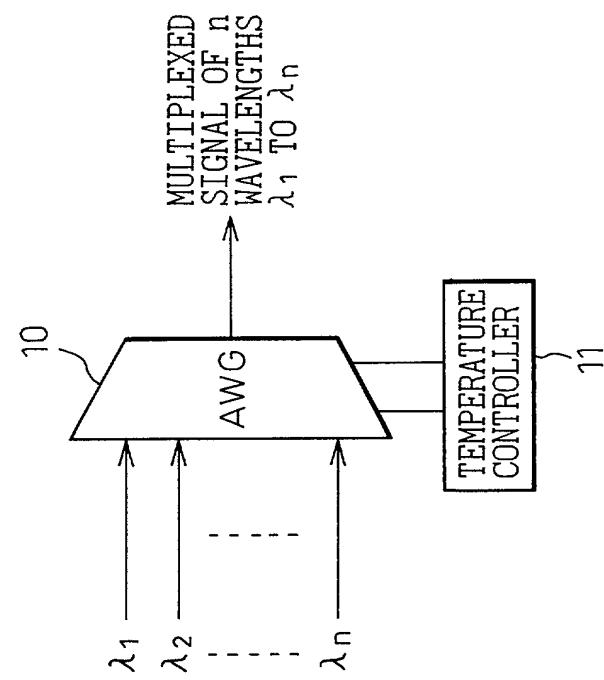
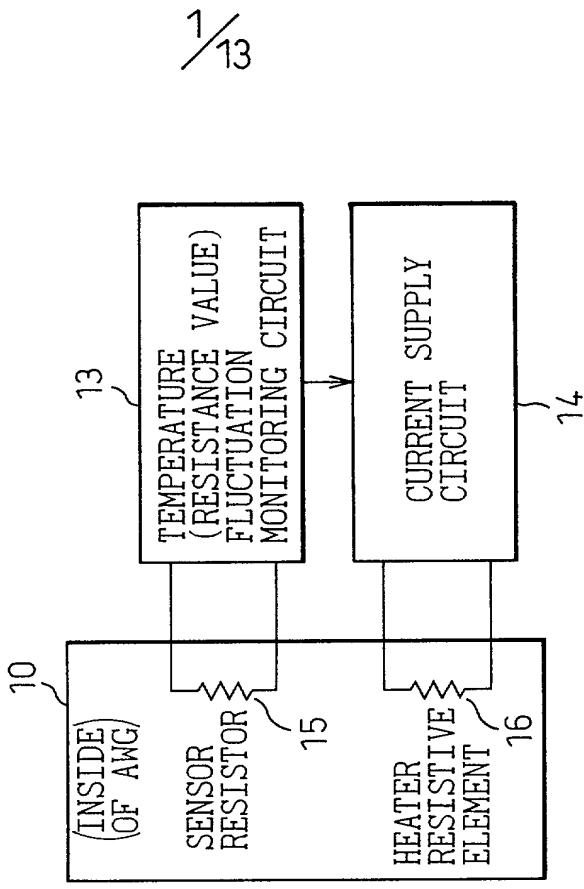


Fig.1B



2/13

Fig.2

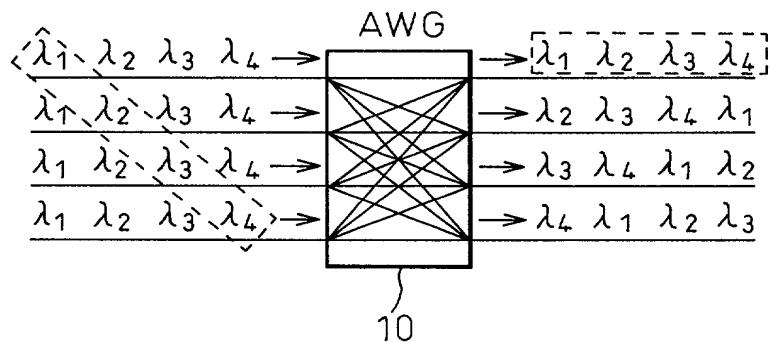


Fig.3

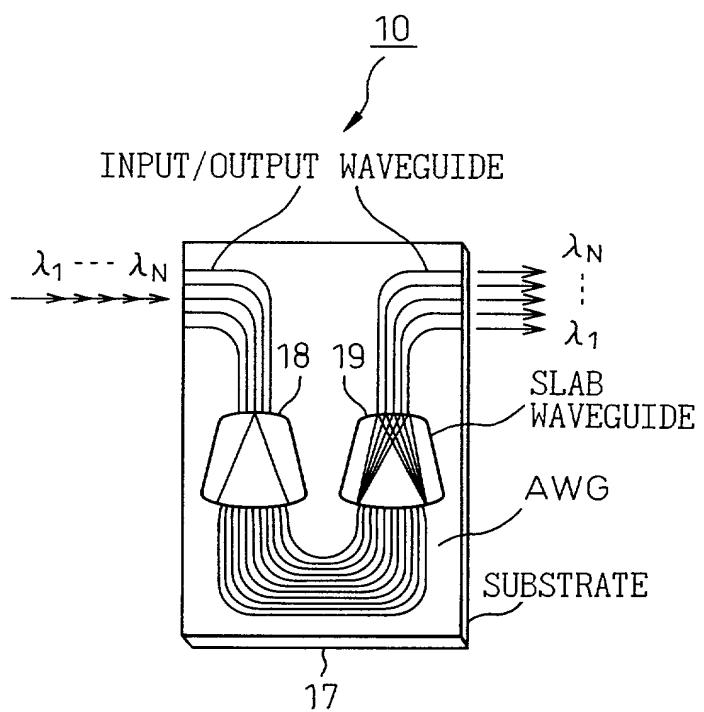
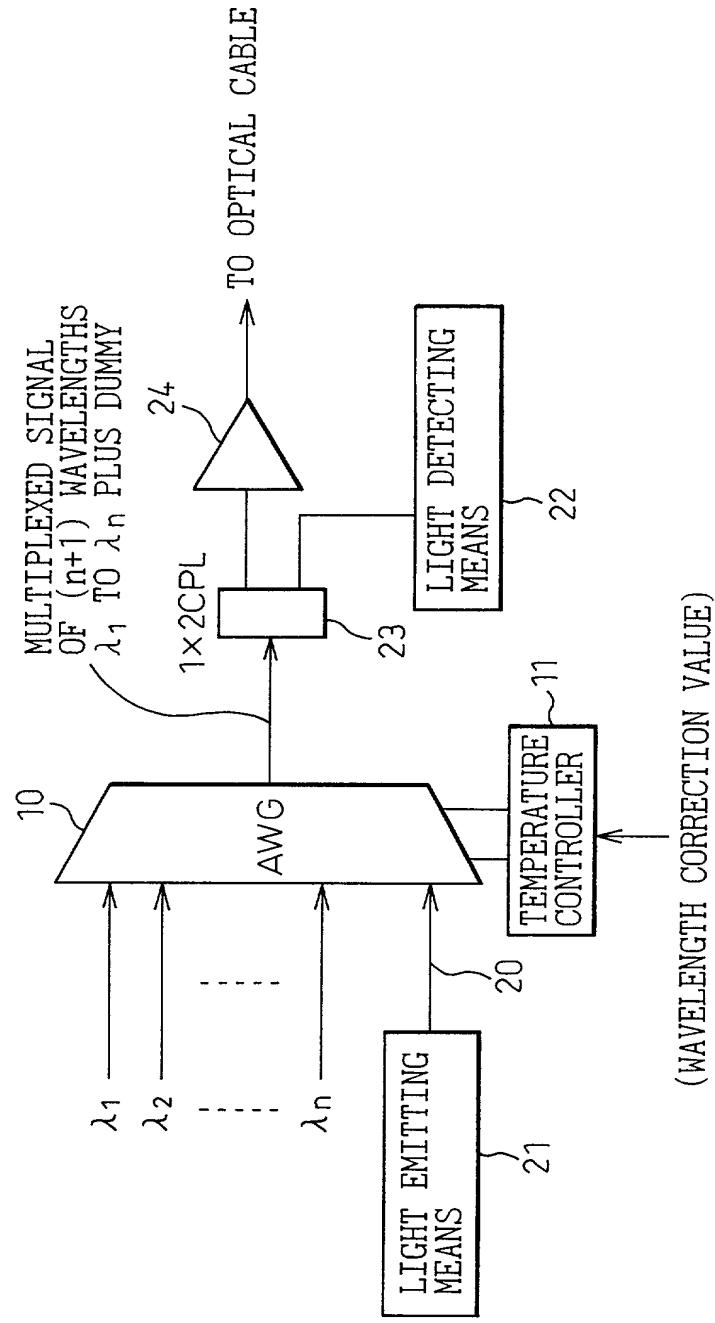


Fig.4

3/13



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13

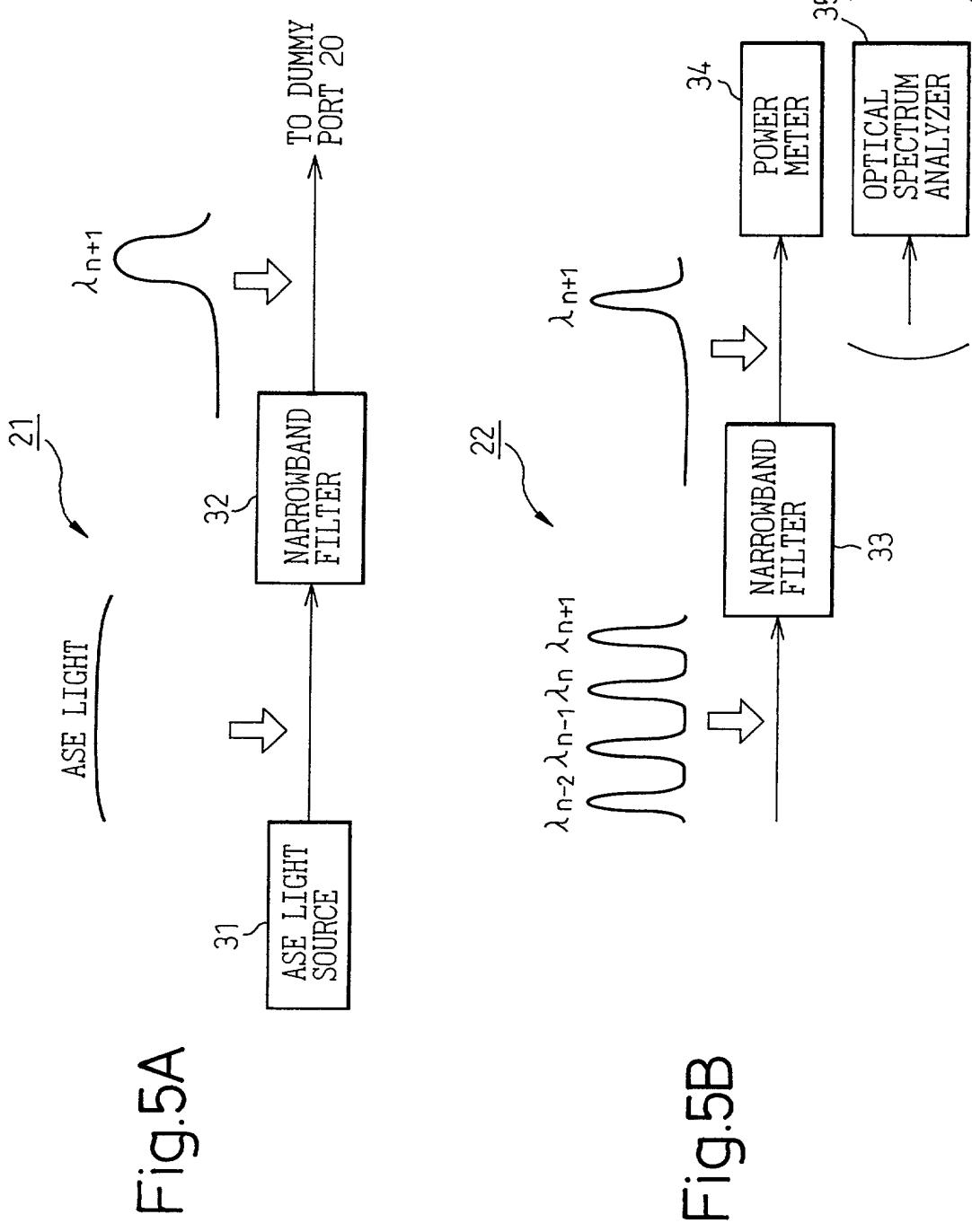


Fig.6A

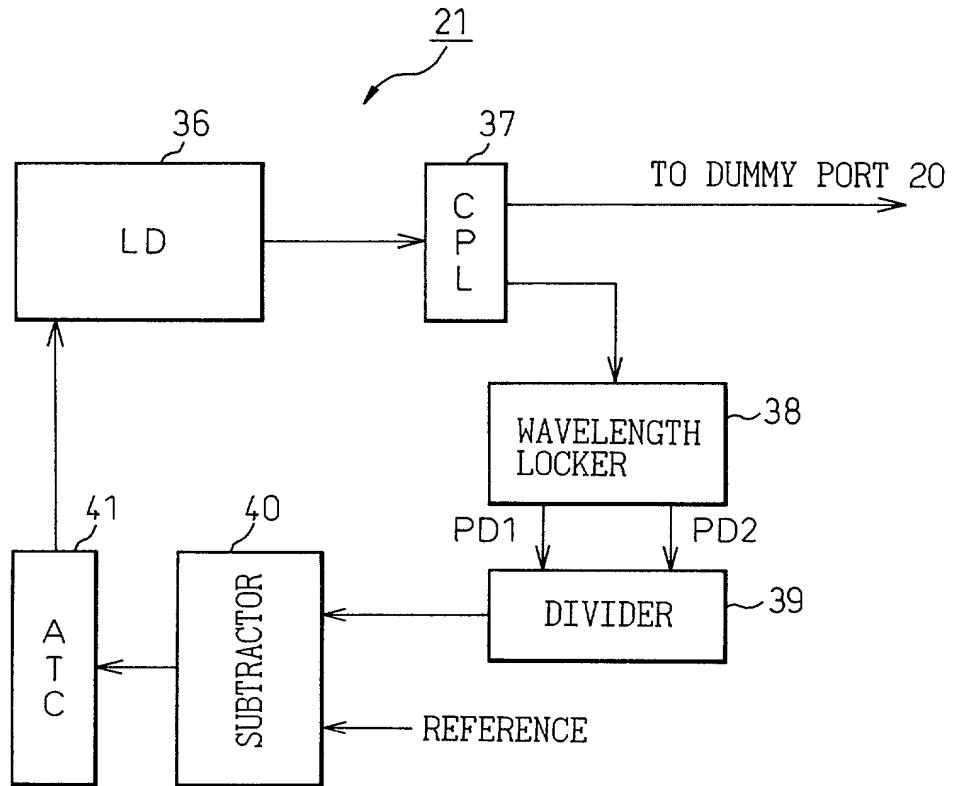


Fig.6B

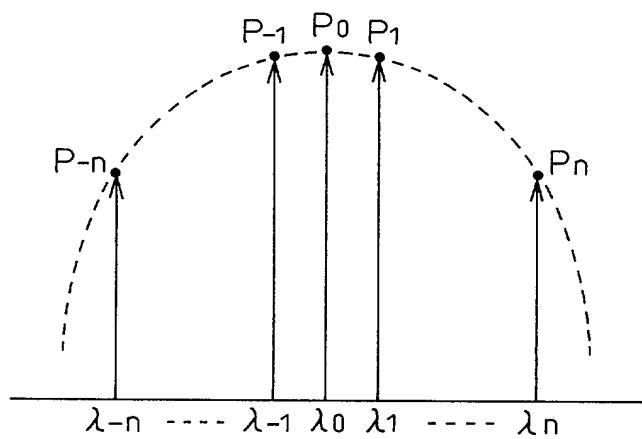


Fig.7

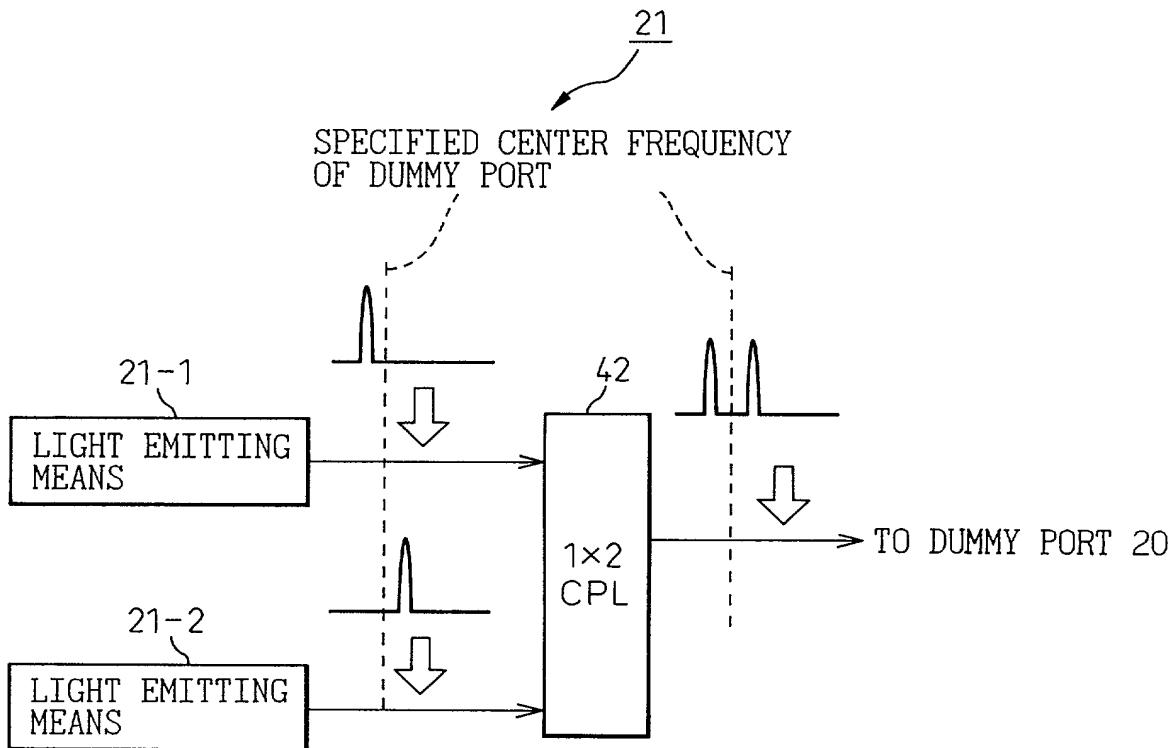


Fig. 8

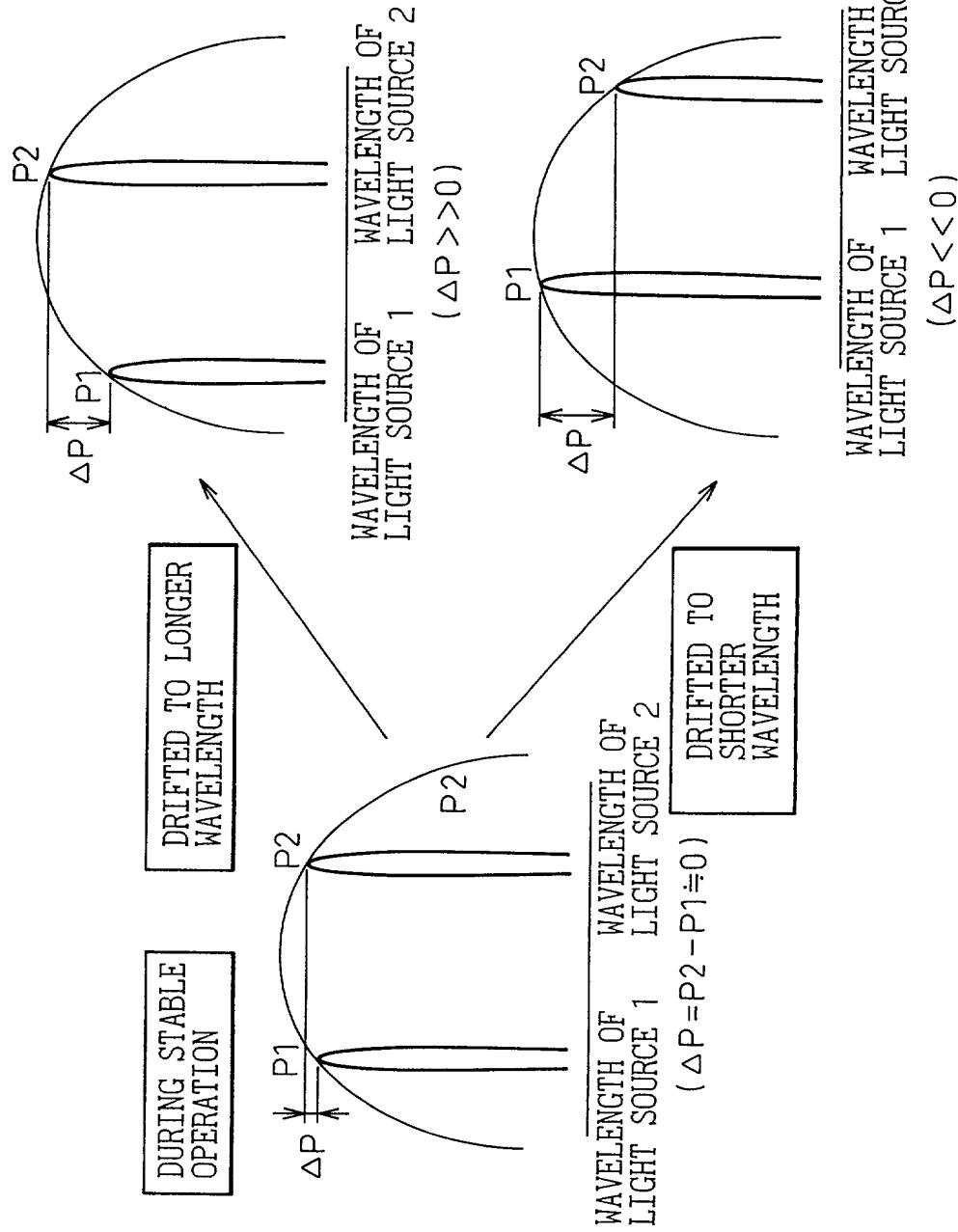


Fig.9

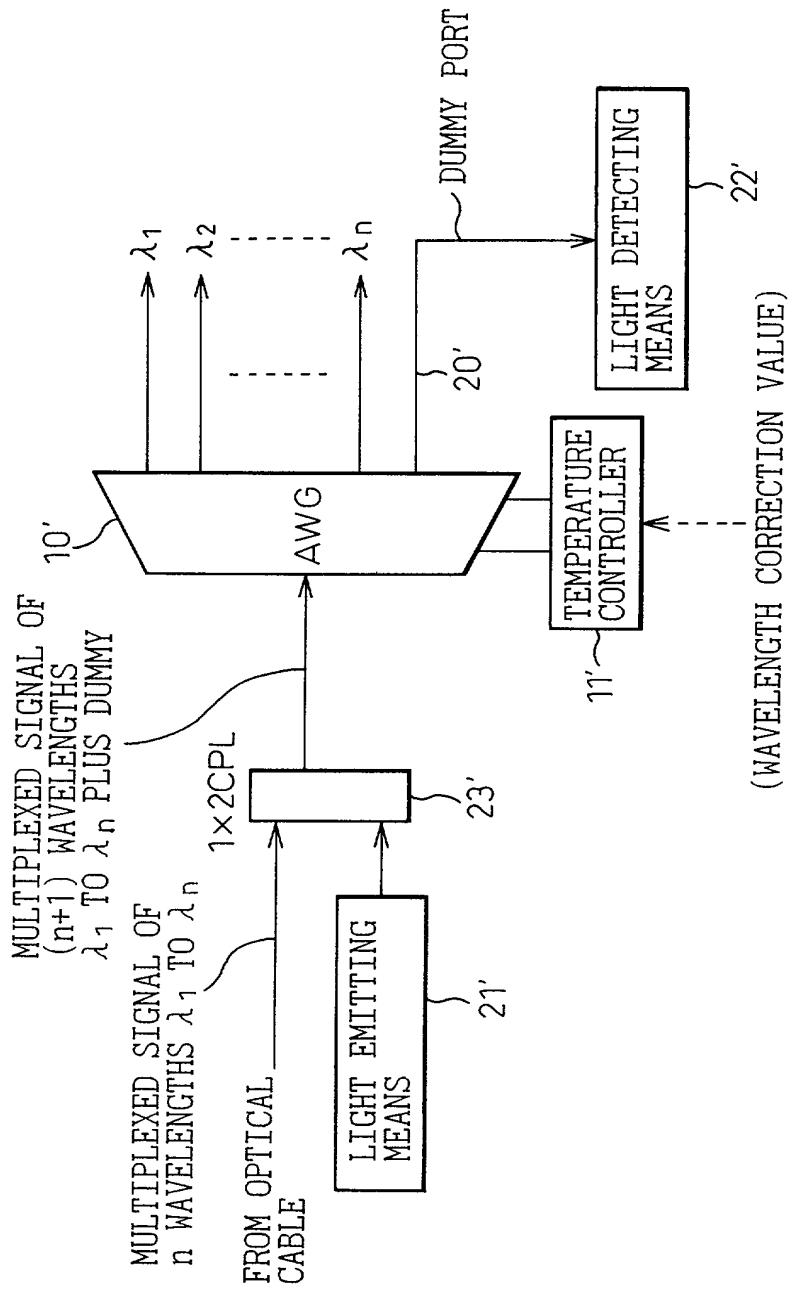
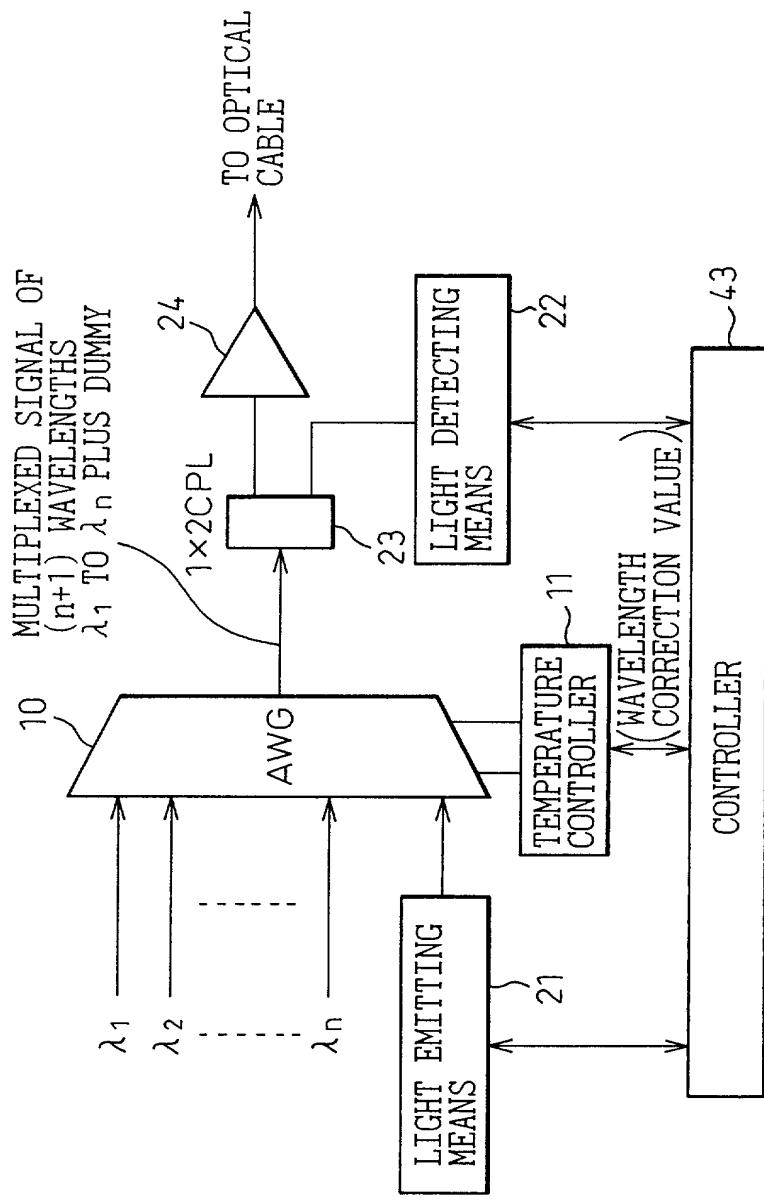


Fig.10



~~10/13~~

Fig.11

44

	WAVELENGTH FLUCTUATION	REFERENCE VOLTAGE SETTING	WRITE TO D/A
1	-10 pm	+350mV	D A h
2	-8 pm	+280mV	C 8 h
3	-6 pm	+210mV	B 6 h
4	-4 pm	+140mV	A 4 h
5	-2 pm	+70mV	92 h
6	± 0 pm	± 0	80 h
7	2 pm	-70mV	6 E h
8	4 pm	-140mV	5 C h
9	6 pm	-210mV	4 A h
10	8 pm	-280mV	38 h
11	10pm	-350mV	26 h

11/13

Fig.12

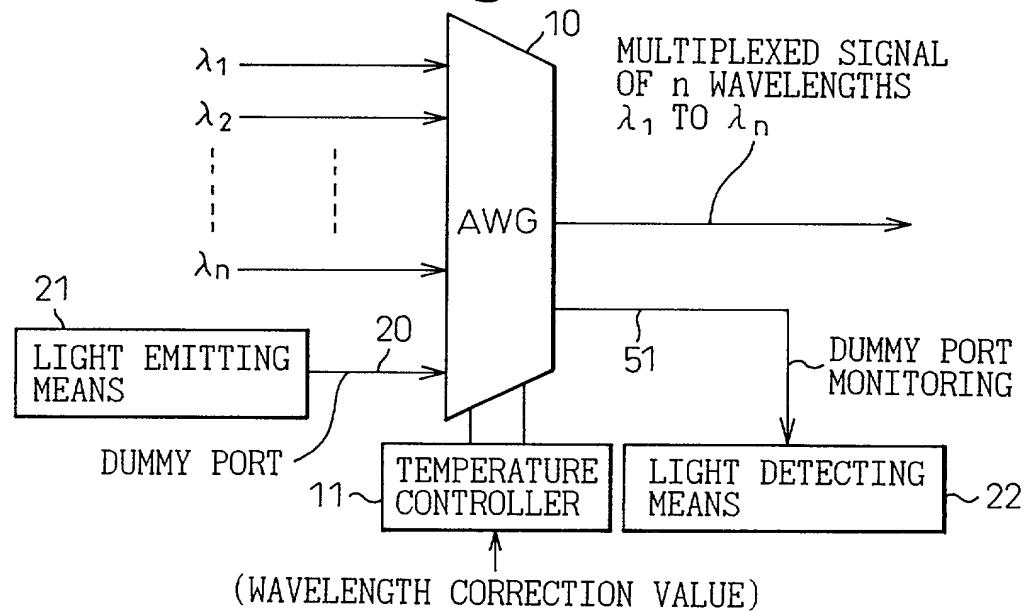


Fig.13

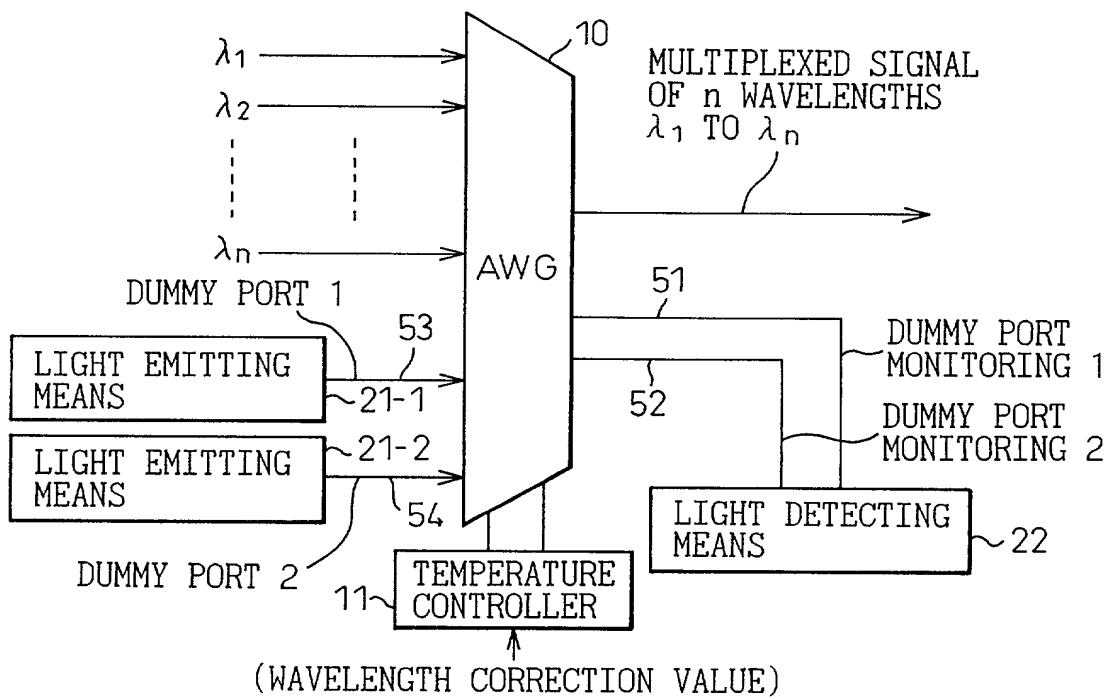
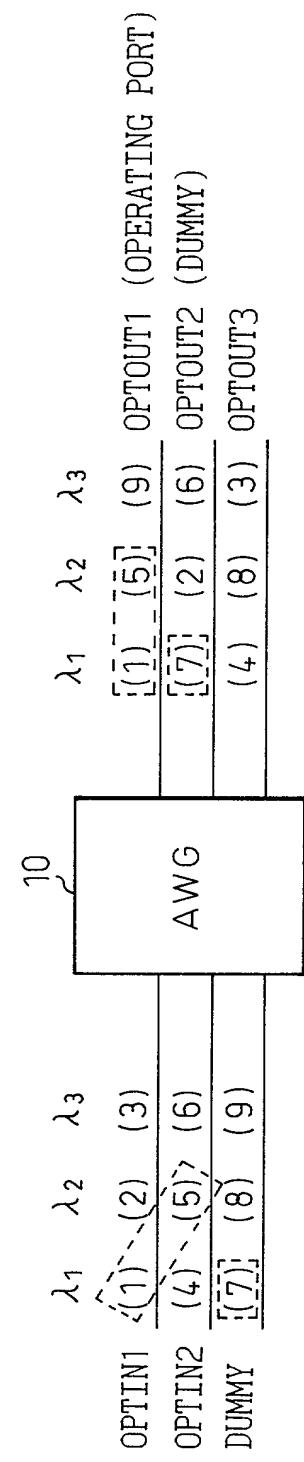
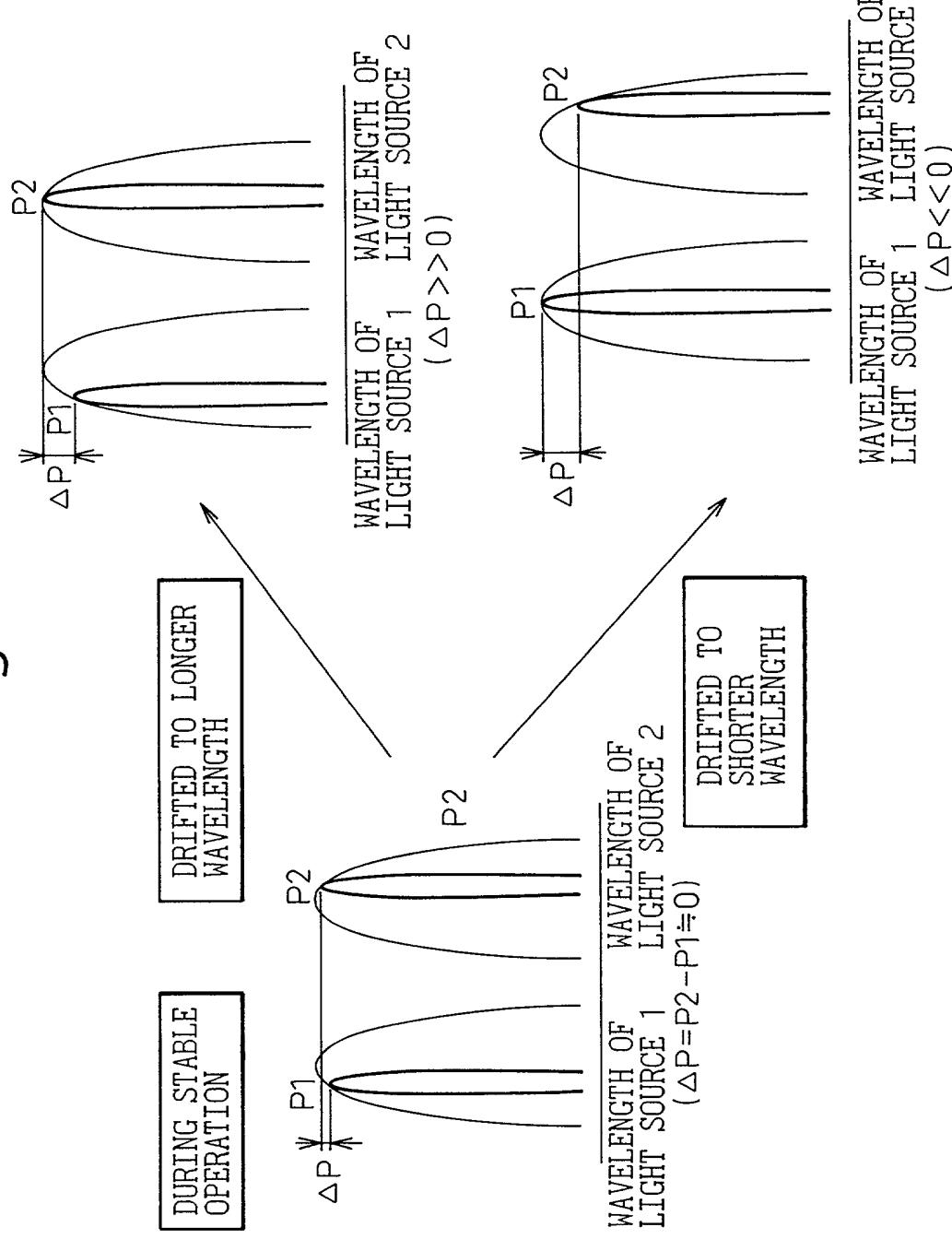


Fig.14



12
13

Fig.15



13
/ 13